FIG. 1

CETP Genomic (SEQ ID NO:1)
Genbank M32992

```
tgtctttttc tcatagtcat tgtattttgg cctcttttcta tttatggcaa cagagagaga   60
aagcttattc ctagatatat gtatttaagt aaaataaat gaattcatgg aaacacatta   120
agcaattatc cagataacat aagggatggc aaaatggtg cagatggtgg aggggagaca   180
agtagaagtt gggtgtgtct tgttgaatgt ctggctctga actctagagg aggccgcagg   240
ggctgggcag gaaggaggtg aatctctggg gccaggaaga ccctgctgcc cggaagagcc   300
tcatgttccg tggggctgg gcggacatac atatacgggc tccaggctga acggctcggg   360
ccacttacac accactgcct gataaccatg ctggctgcca cagtcctgac cctggccctg   420
ctgggcaatg cccatgcctg ctccaaaggc acctcgcacg agcaggcat cgtgtgccgc   480
atccaagc ctgccctcct ggtgtgtaag tatcagtgca tctgtctgcc ctgccagggg   540
tcttttcatg gacacccact atgccaggag cctccctggc ctgaagccag ccctgaagcc   600
ggctgccaca ctagcccaga gagaggagtg ccctgggagg gagatgggct gagtggagct   660
gtcatcaccc cctcctgacc tcgccttcaa ggtcaagttc tttggtgaga aggtcctagc   720
tgcattgcaa acagccaggt ataggattt gtgtttgtct gcgacccaga atcactgggg   780
ttcgagttag ggttcagatc tgagccaggt taggggggtta atgtcagggg gtaaagatta   840
ggaggttggt gtatatttgg tgttgggggt cactctatgg ccaaagtcag gggttgccat   900
gagctcaggt gacggaggct ccatcactga ctgtttgtga ctttgccagc tcccctgcc   960
ctctctgggc ctcagtctct tgctctcata ataaggtat agggaggcta aatgatacaa  1020
tttctaaaat agagtatcgc caagttcaaa agccagaatt atagacccca ggactacaga  1080
cagtgtcaca gcatcgtctg ggtgaggcta gggttagtgt gcggctgggc tcaggctgc  1140
cccatttgct aggatcgtgg ggttcccatg tgtcaggatc cagaggctag ggtatgatca  1200
ggatcctag ctgggggtcag ggtcagagct cctctgtgtcc cctagaattg ccatcaacct  1260
taaacccaga ggaggcccag tccaaccct cagctttaag acctgggagc ctcatctcag  1320
agaggctgag tcatggccaa ggcagttggg gtgggagcag ggggcttggt gtgggcctgc  1380
agccctcatc cactgccctc cctctagtga accacgagac tgccaaggtg atccagaccg  1440
ccttccagcg agccagctac ccagatatca cgggcgagaa ggccatgatg ggccttgcc  1500
aagtcaagta tgggttgcac aagtgagtcg ggcctcgggt gtgacctggc tggggtagg  1560
gtggcgggag gaacagcctg ggcttcccccc agccacaggg aggaaaggca gcagctgggg  1620
gactcaggtc tctcccccttg atttggaacc agagcc                          1656
```

FIG. 2A

CETP Genomic (SEQ ID NO:2)
Genbank M32993

```
ctctttttta aagataggca tttctagata taaatctccc tgtgagcacg gttccctcca   60
tcttcagcac accagggttg actctctccg ggcgttcttc cctggtcacc tctccccttc  120
ctctcctctt ctgcctcctc ttccactttt cggtaccctg tgattgattg ggaccaccca  180
gataacctag gatcatctcc ccacctaccc caaggtcctt aacttaacca tacttcatat  240
gggtaacacg agttgagtgt ggtacccagg tttgacatgt tgggtaacat atttgcaggt  300
tctgtggatt aggaggacat tttggggggc atgattctat cttccaccct cgcctagaca  360
aaattggagg ctcactcctt gggctccctg gatgaccccc aacatccttc ctcacttcca  420
ttccttccca gcatccagat cagccacttg tccatcgcca gcagccaggt ggagctggtg  480
gaagccaagt ccattgatgt ctccattcag aacgtgtctg tggtcttcaa ggggaccctg  540
aagtatggct acaccactgc ctggtggtaa gcattcctgt cagctgatgc cccatgccct  600
ggccctctct gggtggaggg ctgaatgagg tctgggtcct tggctctttc caggctgggt  660
attgatcagt ccattgactt cgagatcgac tctgccattg acctccagat caacacacag  720
ctgagtatgt gtcaagcgtc ctctggggaa gtgggagctg gactccaggg cttgctcagg  780
cagaggggga ggttgtgcag gcagagggtt ctggggccac caaaggaggc agcctgggaa  840
gtttgcaggg ttgggacccc cagagctggc caagctcttg actggcctgg gcagcatgtg  900
gataccatct gatagcggag gctgccctga ggtcatgtcg ggtctccctg cagcctgtga  960
ctctggtaga gtgcggaccg atgccctgaa ctgctacctg tctttccata agctgctcct 1020
gcatctccaa gggagcgcag agtaagtaca ccaccctgtg cccccattcc tgtcgtgccc 1080
atcctgttag tgtgtccacg gcccctccca ggctcaaccc cacacaggga tgcttgtggg 1140
tggccaaacc tgagggcagc aataccttca gtggggtcat tccatccccc tccatcaata 1200
caccctaaag gctggaaaca acaataacca acagctagta actaacagct attaagaact 1260
tctgttggca aagcactatt ccaagccctt tcatgaatta attgattttg tccttaaaac 1320
caacccaggg atatagattc tgttatcatc ccctttttac atatgggtaa actgagtcac 1380
agacaggtta gaaaggaaaa gctcatatct acggagtcga tcctgcattc caagcaccac 1440
actaactcag agataaaact ctagccaagc taagtaactt gctgaggaca cacaactcgc 1500
cactaaggga tgggagtagg acccatttga accagacctt ctctgacccc agaagctgag 1560
ttcctagata ctttactctc ctgcttccca gggtggggct ttttgtcttg gccaacaccc 1620
tctgtcaagg agctgtggta accccattgc acagaggaag ataacaaggt ttggagagtc 1680
cctagtcatg ttaccaatgc caaacctgga aggcagaagg gaactggtgg gtggggtctg 1740
gagaggaggc ctctattcag ctgactctgg acagcaccac gtgagcgtca agcaagacgg 1800
gaatttggac tctagacacg ttctcgtgtg tgtgacaggt atacatgtat caggagctgg 1860
gccctcccga ggaattctgg atggtgccac agttaattct tgggtctgag gctccgtgtt 1920
```

FIG. 2B

```
ctcactgcaa aatgggagtg ataattctta cttcctgagc tacaaagagtc aggcccaaca 1980
gagccatgaa ggagcctggt acacactagg cgctccatgg cgcacagga ctggtcaggg 2040
gctcattgtg gtgcttgctg ccttcaggcc tgggtggatc aagcagctgt tcacaaattt 2100
catctccttc accctgaagc tggtcctgaa gggacaggtg agtgaggctg gctgactccc 2160
tgtggtccag gccatgccca ggaggctgga tcccttcct ccctgccttt ccctgagaag 2220
gtgccactcc cacctctcc atgtggccag tcccctgtgc cggtccccag cactgccacc 2280
accacgcagc tggaaggagg cactccgtct gcctccttt cctgcctgga aagcacctgc 2340
tctgtctgcc ccagatctgc aaagagatca acgtcatctc taacatcatg gccgatttttg 2400
tccagacaag ggctggtgag tgcgtttctg tctgcatgcc tcagaagaca gcagtgggag 2460
ccagaaagcc acctgctgca ctatgtggcc ttgggactgt cactcttcct gtctaggtcc 2520
catgggctct atctggctct gacacttgat gattagttat gagcatactt tggcaaagct 2580
ctgcccctt ggtgcggctc acaagctgtg tggcgaaggg cttgtctata gaactcagga 2640
caaatgggtg attaagtcca agagccatcc aagattctcc tggaagtaga ttaggaaaaa 2700
agataattag attgctcaca tggctgggca ctcatccatg tactgtactc tcctatgcag 2760
tacagagcag agctgggttt cagcccaagt cttggactct gctctgaacc aaccttctag 2820
aagggctcta cctacccaga cagacagact tgggaaaaga gagaatgaaa aagtgccaca 2880
ccccctcccg cacacccagg tcccacttta cagagggga cactgaggct ggaggggttgg 2940
gtagctgtgt ggatgcaggg gacggtgact caggggcaatt ccccatccc tgaggccctg 3000
cgttgatctt ttcctcctgc agccagcatc ctttcagatg gagacattgg ggtggacatt 3060
tccctgacac gtgatcccgt catcacagcc tcctacctgg agtcccatca caaggtagga 3120
gttgtgggag ggtgggcagg gccccagctc cccaggggag ttggtcctt tttgtgtct 3180
gacaacccca tcccccagct tcaaccttat ggcagccaag agtcctgggg agctcctcct 3240
cattcctgat gctcctccgc attcctgatg ctgcgaggag ctgcgaggag ggcaggccac agcgacgtgc 3300
ccctgacccc tctctgcagg caccaggget gcccactaca aggatcccaca caaagcacca 3360
gctccttcct agaggcttta ttcggcttct gtcatcctct acagcagtgg attgtggccc 3420
ccccagggg gtactgacaa aagctt 3446
```

FIG. 3

CETP Genomic (SEQ ID NO:3)
Genbank M32997

```
acatggtgca catgcctgta gtcctagcta cttggtggct gaggtagaca atcgcttgaa    60
cctgggacgt ggaggttgca gtgagctgag atcgtgccac tgccctccag cctggcaac    120
agagtgagac tgtctcaaaa acaaaaaaag aaaagaaaag               tgacttctca   180
ggtcctaacc ccaaagccac aggtgctggg gaactttcct cggtttcag   aagagcagta   240
gctaagcctg gttccgtgt  catccttgcc tctccagtcc ctcagtggaa agaatcaggg   300
gccctgagct aggaggttg  ctctctgctt cgggaagagc cctggctcac agcaaatttg   360
gtttctctcc ccaggatatc gtgactaccg tccaggcctc ctattctaag aaaaagctct   420
tcttaagcct cttggatttc cagtatgtgc tgcagagaag agaaggggc  ggtcaactcc   480
gcaaacctct ccctggcccc ttggagtcag gcacagggcg gggtgttggt gggaaatgt   540
ggcccctttc ttctggggca tatggctga  ctgcaggaa  gataagaccc tgcctagata   600
gaatcttcgt ggggaagaag gggctccagg aagaatggag ggctgccagg aagaaggcct   660
gagctatgag acaaaagcac tggctgctat tcttagagtt tctttcccag gggatgttac   720
aggagggggc ccaatggagg gtcaaattat catcgctttt ttatttcagg attacaccaa   780
agactgtttc caacttgact gaggtaggta gtcttgata  gactggggga aataagtcct   840
gtgggaccct ctgccttaaa gaaagcaggc ggagggccct aaaggaaatc aggcaaccag   900
accaaaagaa tgtgaccagg tggtccatgc tgtgtctctt gtgacccttc ttctccctgc   960
catgtctttt gggagagccc ttgtgttgca aaaatgagag tgtggtggta tggattgggg  1020
tttaggcaga acagtactgg ccaagcagcg ctccctggac ctcaatttc  cctctgtgga  1080
atgggctagc aatcctgggc ctcccccagg cgaaggaaag accactcagg aaggcaccg   1140
tctgggccag gaaaacggag tgggttggat gtatttttt  cacggatggg catgaggatg  1200
aatgcttgtc caggccgtgc agcatctgcc ttgtgggtca cttctgtgct ccagggagga  1260
ctcaccatgg gcatttgatt gcagagcagc tccgagtccg tccagagctt cctgcagtca  1320
atgatcaccg ctgtgggcat ccctgaggtc atgtctcgta agtgtgggct ggtgtgggaa  1380
ctggtgccg  aggctgacag agcttcccat ttcacctttt                        1420
```

FIG. 4

CETP Genomic Sequence (SEQ ID No. 4)
Genbank No.: M32998

```
  1  ggatgggtg  ggagctcaag  tttgggca   gaagggaatt  tttttggca   gcagagtgca
 61  agccctgccg ccaggcaaac  tctgtcttc  ctcatcctca  gaagcacttg  ctcactctgc
121  taaatcaaag tgaaacgcat  gttacagaa  tattggtcca  aaagggtctc  agcatctccc
181  actacccagg gtgcagagcc  tcgggccggc cttgctcccc  aagaagggct  gactggggct
241  ctgtcccctc gcccagggct  cgaggtagtg tttacagccc  tcatgaacag  caaaggcgtg
301  agcctcttcg acatcatcaa  ccctgagatt atcactcgag  atgtgagtac  aaagcccccc
361  tcaccagccc ctgttcctgg  ggagagaggc ccagacagga  ttcctggggt  gactgggggc
421  tgttggggag acagacagag  gggcctctac cagcttggct  ccctcctggt  ggcctgggag
481  tcagcccagc tcgcccctct  ctcctactgc ccctcccrtc  agggcttcct  gctgctgcag
541  atggactttg gcttccctga  gcacctgctg gtggattcc   tccagagctt  gagctagaag
601  tctccaagga ggtcgggatg  gggcttgtag cagaaggcaa  gcaccaggct  cacagctgga
661  accctggtgt ctccctccagc gtggtggaag ttgggttagg  agtacggaga  tggagattgg
721  ctcccaactc ctccctatcc  taaaggccca ctggcattaa  agtgctgtat  ccaagagctg
781  cggagtcctt cttctgtggc  tggcgggtag aggggggggg  aagggattgt  ctcaccagtg
841  ccgtccacct cttttcagcc  cttccaagca gctgccccca  aaccctccaa  gctt
```

FIG. 5

CETP Alleles
Intron 1 (707):
Allele 1:GTTCTTTGGT G AGAAGGTCCT(SEQ ID No. 5)
Allele 2:GTTCTTTGGT A AGAAGGTCCT(SEQ ID No. 6)

Intron 8 (3707):
Allele 1:TGGCCTGAAC C TGATCGCGGACC(SEQ ID No. 7)
Allele 2:TGGCCTGAAC T TGATCGCGGACC(SEQ ID No. 8)

Intron 8 (3946):
Allele 1:GATGATCTAG A GGGGCGGGGG(SEQ ID No. 9)
Allele 2:GATGATCTAG T GGGGCGGGGG(SEQ ID No. 10)

Promoter (VNTR):
GAAA and GAA repeats between -2144 and -1974 from translational start site. Alleles
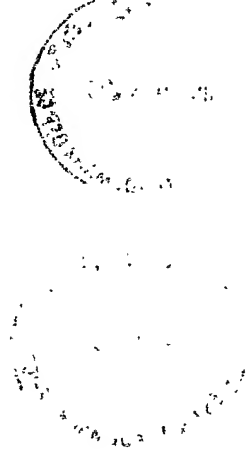are defined by variation in size.

Insertion (307):
Allele 1:GAATGGAGGG AGGGCCTGGC(SEQ ID No. 11)
Allele 2:GAATGGAGGG CTGCCAGGAAGAAGG AGGGCCTGGC(SEQ ID No. 12)

Intron 15 (493):
Allele 1:AGCCCAGCTC G CCCCTCTCTC(SEQ ID No. 13)
Allele 2:AGCCCAGCTC A CCCCTCTCTC(SEQ ID No. 14)

FIG. 6

FIG. 7

FIG. 8
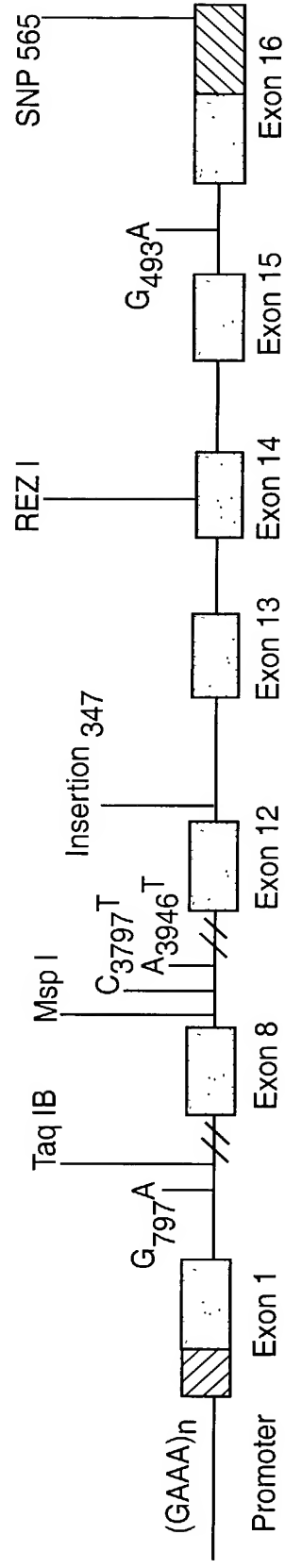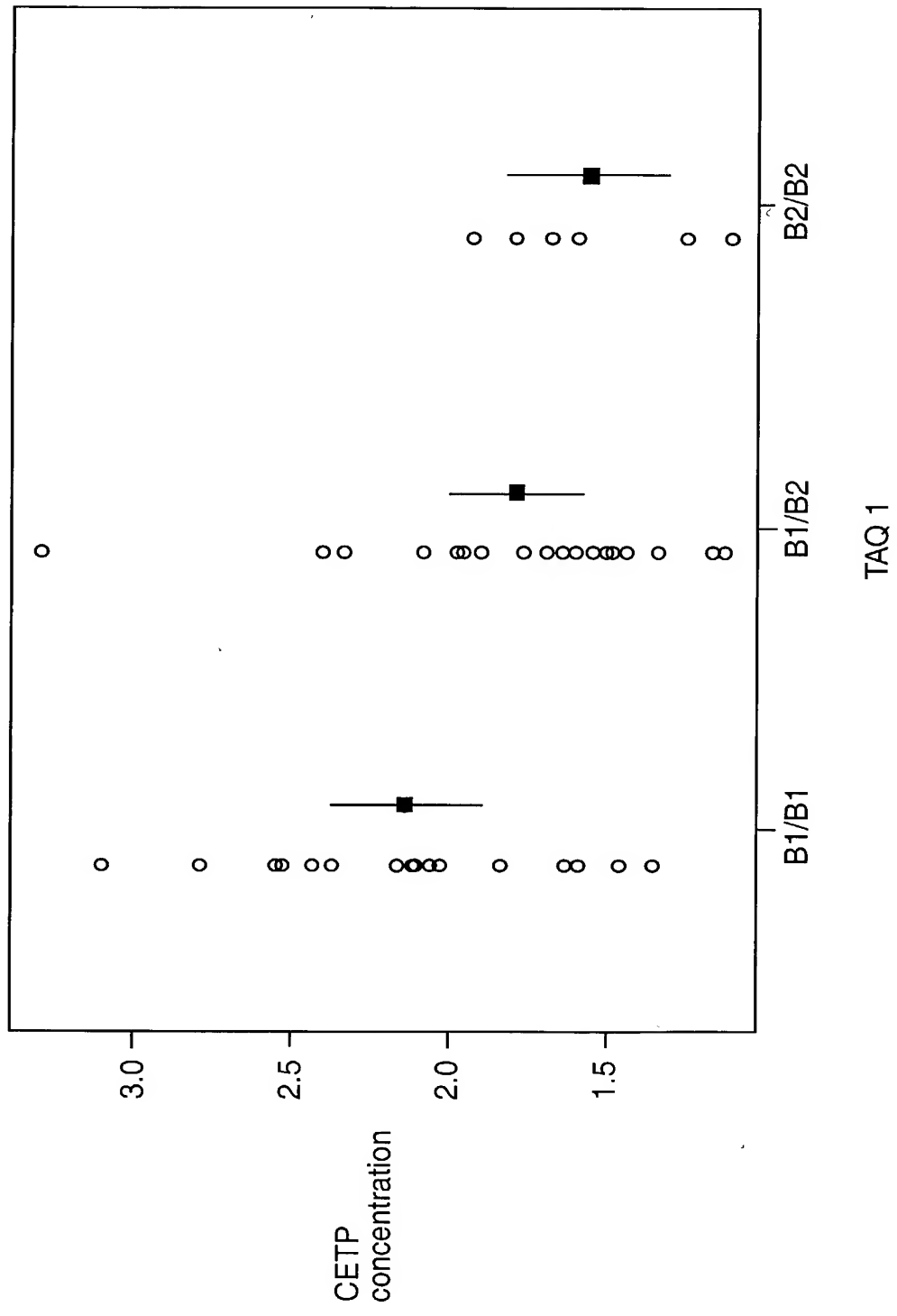

CETP concentration

MSP1

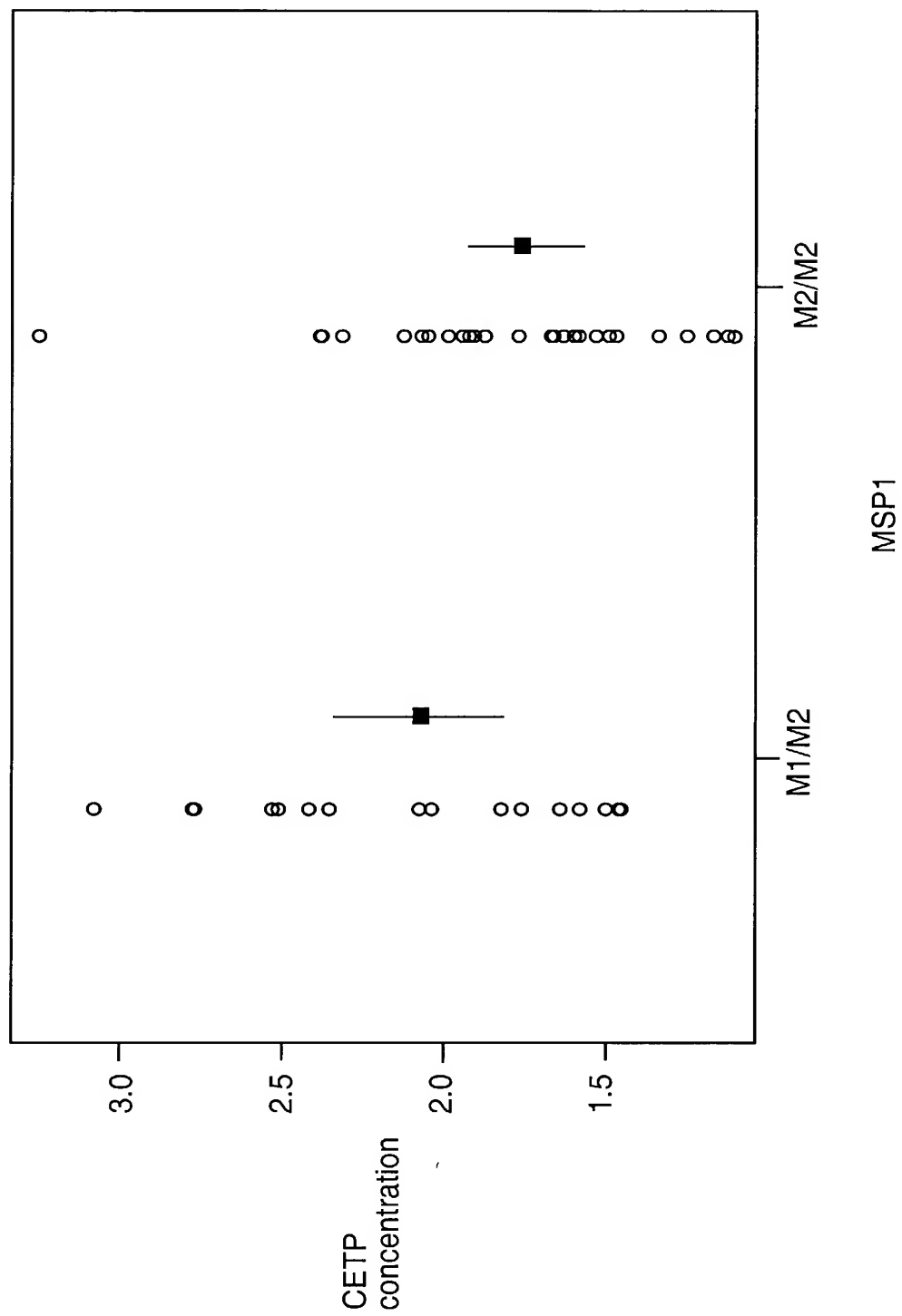M1/M2   M2/M2

3.0
2.5
2.0
1.5

FIG. 9

HDL at baseline

G/C   G/Q

genotype at SNP565

FIG.10
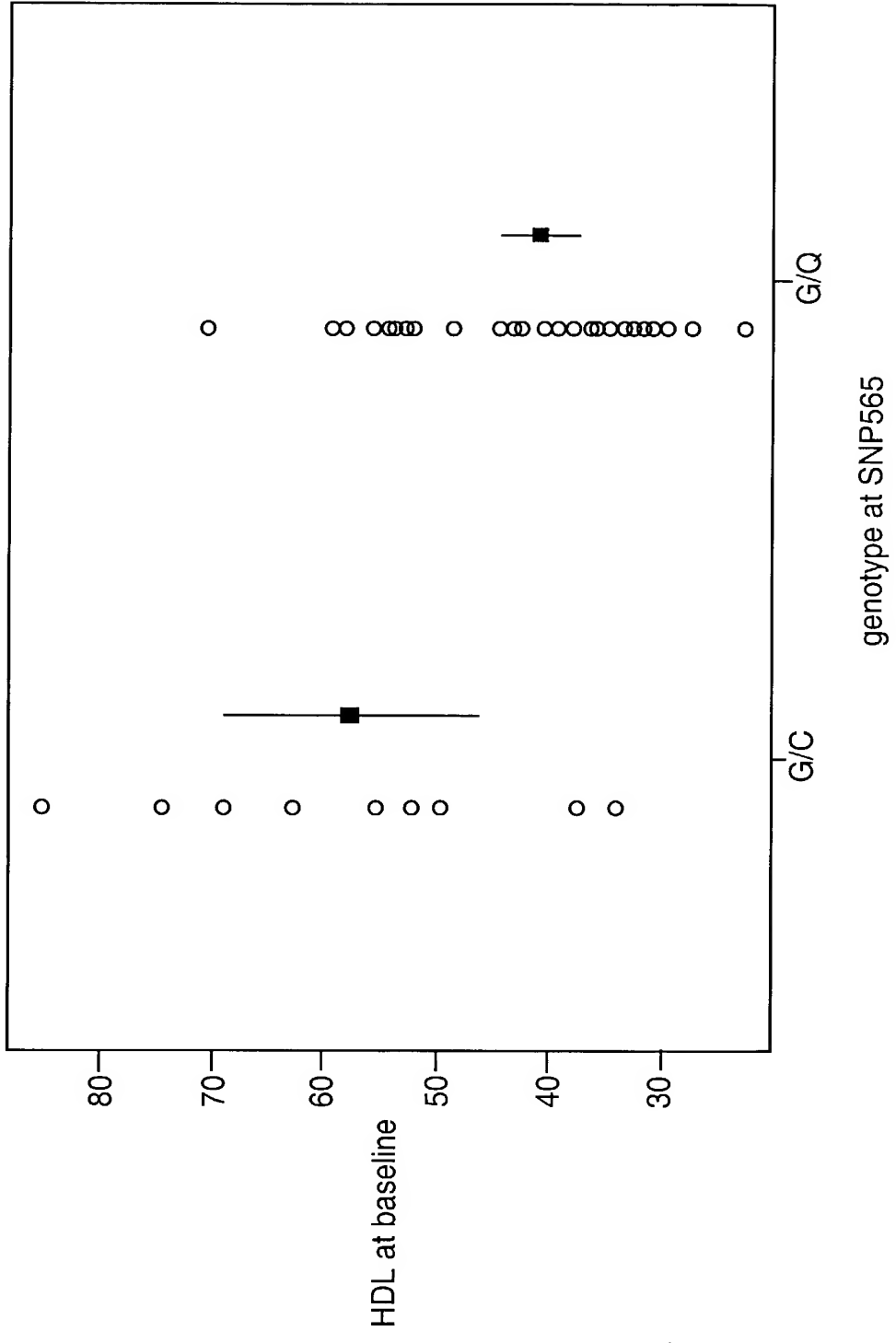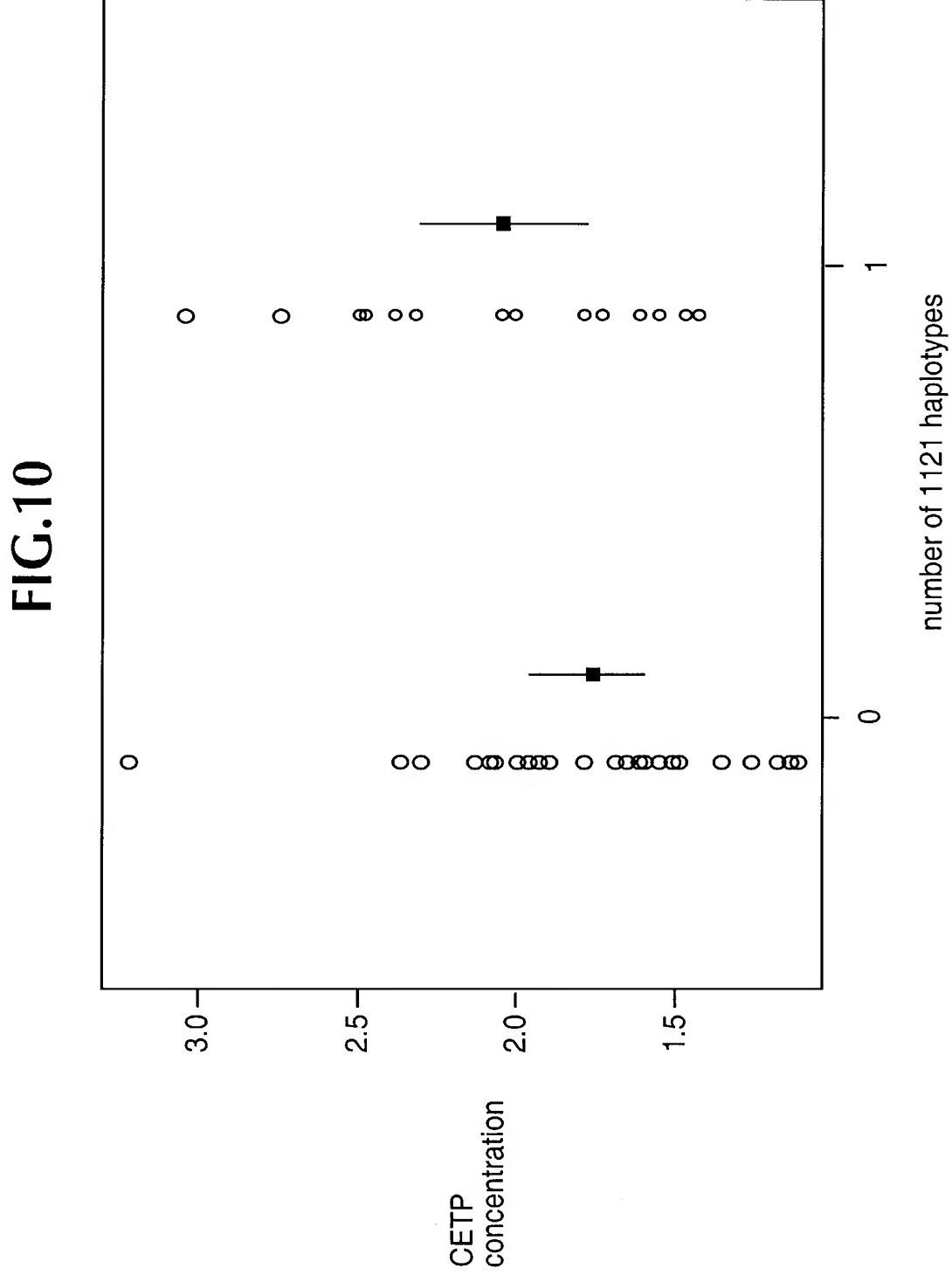
number of 1121 haplotypes

CETP concentration

FIG. 11

number of 2212 haplotypes

HDL